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spectrum and selecting a second sensor type from a second bank of the electromagnetic spectrum;

Deploying at least one A sensor from the first sensor type and one B sensor from the second sensor type in each information gathering zone;

Time tagging information generated from the A and B sensors so as to indicate when the information characterizing the ambient was gathered;

Selecting information A (t1), characteristic of a time t1, from sensor A;

Selecting information B (t2), characteristic of a time t2, from sensor B which corresponds to substantially the same time as information A (t1); and

Fusing information A (t1) and B (t2) so as to characterize a target in the environment of the vehicle.

[c7]

7. A method for generating information as recited in claim 6 further comprising the steps of:

Selecting from the steps of interpolating and extrapolating the information of B (t2);

Interpolating the information of B ( $t_2$ ) to be at the same time tag moment as A ( $t_1$ ); and

Extrapolating the information of B (t2) to be at the same time tag moment as A (t1).

[c8]

8. A method for generating information characterizing the environment, including a target, around a motor vehicle including the steps of:

Designating four information gathering zones A, B C, and D around the vehicle;

Selecting a radar sensor type and selecting a camera sensor type;

Deploying one radar sensor and one camera sensor in each information-gathering zone A, B, C, and D;

Time tagging information generated from the radar and camera sensors so as to indicate when the information characterizing the target was gathered;

Selecting information A (t) from the radar sensor;

Selecting information B (t) from the camera sensor which corresponds in substantially the same time to information A (t); and

Fusing information A (t) and B (t) so as to characterize the target in the environment of the vehicle.

[c9]

9. A method for generating information as recited in claim 8 further comprising the steps of:

Selecting from the steps of interpolating and extrapolating the information of B (t);

Interpolating the information of B (t) to be at the same time tag moment as A (t);  
and

Extrapolating the information of B (t) to be at the same time tag moment as A (t).